



**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building/home/asp

NOTICE OF ACCEPTANCE (NOA)

**Palram Americas, Inc.
Arcadia West Industrial Park
9735 Commerce Circle
Kutztown, PA 19530**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Corrugated and Flat Polycarbonate Panels

APPROVAL DOCUMENT: Drawing No. **10-133**, titled "Polycarbonate Panel" sheet 1 of 1, dated 08/24/10, prepared by Knezevich Associates, signed and sealed by V.J. Knezevich, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **renews NOA # 05-0907.03** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten signature]
12/20/10

NOA No. 10-0913.07
Expiration Date: January 22, 2016
Approval Date: January 13, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **10-133**, titled "Polycarbonate Panel" sheet 1 of 1, dated 08/24/10, prepared by Knezevich Associates, signed and sealed by V.J. Knezevich, P.E.

B. TESTS "Submitted under NOA # 00-1226.02 & 05-0907.03"

	Laboratory	Test	Date	Signature
1.	SGS 369159-4	ASTM E 84	08/22/05	J. Lomash
2.	SGS 170558-7	ASTM E 84	09/23/02	G. Banasky
3.	SGS 170558-2	ASTM E 84	09/23/02	G. Banasky
4.	SGS 170558-10	ASTM D 635	09/23/02	G. Banasky
5.	SGS 170558-12	ASTM D 635	09/23/02	G. Banasky
6.	SGS 369159-1	ASTM D 635	08/22/05	J. Lomash
7.	SGS 155380	ASTM D 1929	05/29/01	D. Lepore
8.	SGS 528768	ASTM D 1929	02/06/06	J. Lomash
9.	ETC 98-191-5523.0	ASTM G 26 & C 158	05/11/99	J. L. Doldan, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

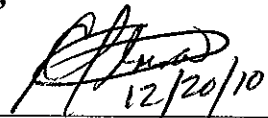
1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. No change letter issued by Palram Americas, Inc., dated 08/31/10 and signed by Mike Howser.
2. Manufacturer/ Distributor agreement issued by Paltough LTD and Suntuf Inc. notarized by S. J. Gallagher on 06/30/97 and signed by S. K. Croce (Paltough) and A. Netzer (Suntuf). **"Submitted under NOA # 00-1226.02"**
3. Corporation name change from Suntuf Inc to Palram Americas Inc. signed by A. Netzer on 01/11/04. **"Submitted under NOA # 05-0907.03"**



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0913.07

Expiration Date: January 22, 2016
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GENERAL NOTES:

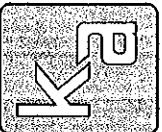
1. POLYCARBONATE PANEL AS MANUFACTURED BY PALRAM AMERICAS INC. COMPLIES AS AN APPROVED PLASTIC WITH THE REQUIREMENTS OF SECTION 2612.2 OF THE FLORIDA BUILDING CODE (FBC) 2007 EDITION WITH 2009 SUPPLEMENT AND HIGH VELOCITY HURRICANE ZONE (HVHZ) PROVISIONS.
2. POLYCARBONATE PANEL SHALL BE 0.8 MM OR THICKER, SOLID CLEAR PANELS, FLAT OR CORRUGATED, WITH NO SURFACE FINISH.
3. THIS DOCUMENT ADDRESSES THE REQUIREMENTS OF THE POLYCARBONATE PANEL AS AN "APPROVED PLASTIC". SPECIFIC USE OF THIS SHALL COMPLY WITH THE FBC. ANY EXTERIOR ENVELOPE USE SHALL REQUIRE A NOTICE OF ACCEPTANCE (NOA) ADDRESSING THE SPECIFIC USE.
4. TABLE 2 REFERENCES THE BEFORE AND AFTER TENSILE STRENGTH TESTING PERFORMED IN LIEU OF THE IMPACT TESTING REFERENCED IN SECTION 2612.2 (1)(2b) OF THE FBC. RESULTS WITHIN ±10% INDICATE COMPLIANCE WITH THE OUTDOOR EXPOSURE REQUIREMENTS IN ACCORDANCE WITH MIAMI-DADE COUNTY CHECKLIST #0445 FOR THE APPROVAL OF PLASTIC AND FOAM PLASTIC.
5. THE FOLLOWING PRODUCTS ARE APPROVED UNDER THIS NOA: SUNTUF, SUNSKY, DYNAGLAS, PALTUF AND PALSUN.

TABLE 2	AVERAGE YIELD TENSILE STRENGTH AS PER ASTM D-638		
	PLASTIC SPECIMEN	* BEFORE WEATHERING (PSI)	AFTER WEATHERING (PSI)
	3.0 MM CLEAR FLAT	9,660	9,090
	0.8 MM CLEAR CORRUGATED	9,240	9,270
	0.8 MM CLEAR FLAT	9,710	8,940

* WEATHERING WAS PERFORMED PER SECTION 2612.2 OF 2007 FLORIDA BUILDING CODE.

TABLE 1	POLYCARBONATE PANELS MANUFACTURED BY PALRAM AMERICAS INC.					
	TRADE NAME	MATERIAL THICKNESS	FLAT OR CORRUGATED	TEST DESIGNATION	TEST PARAMETER	MATERIAL PROPERTIES
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM E 84-'04	FLAME SPREAD INDEX	10
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM E 84-'04	SMOKE DEVELOPED VALUE	130
	PALTUF / PALSUN	3 MM	FLAT	ASTM E 84-'01	FLAME SPREAD	60
	PALTUF / PALSUN	3 MM	FLAT	ASTM E 84-'01	SMOKE DENSITY	<450
	PALTUF / PALSUN	12 MM	FLAT	ASTM E 84-'01	FLAME SPREAD	45
	PALTUF / PALSUN	12 MM	FLAT	ASTM E 84-'01	SMOKE DENSITY	<450
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM D 635-'03	AVERAGE BURNING TIME	155 SEC.
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM D 635-'03	AVERAGE BURNING LENGTH	69.3 MM
	SUNTUF / SUNSKY / DYNAGLAS	0.8 MM	CORRUGATED	ASTM D 635-'03	BURN RATE	28.0 MM/MIN.
	PALTUF / PALSUN	3 MM	FLAT	ASTM D 635-'74	AVERAGE TIME OF BURNING	8.4 SEC.
	PALTUF / PALSUN	3 MM	FLAT	ASTM D 635-'74	AVERAGE EXTENT OF BURNING	21.9 MM
	PALTUF / PALSUN	12 MM	FLAT	ASTM D 635-'74	AVERAGE TIME OF BURNING	12.8 SEC.
	PALTUF / PALSUN	12 MM	FLAT	ASTM D 635-'74	AVERAGE EXTENT OF BURNING	10.3 MM
	SUNTUF / DYNAGLAS / PALTUF / PALSUN	0.8 MM	FLAT	ASTM D 1929-'96	SELF IGNITION TEMPERATURE	1,162 °F
	SUNTUF / DYNAGLAS / PALTUF / PALSUN	0.8 MM	FLAT	ASTM D 1929-'96	FLASH IGNITION TEMPERATURE	982 °F

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 10-0913.07
Expiration Date 01/22/2016
By 
Miami Dade Product Control
Division

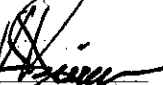


POLYCARBONATE PANEL KNEZEVICH ASSOCIATES
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T (954) 821-6933 * F (954) 452-7960 * COA 27989
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PALRAM AMERICAS INC.
ARCADIA WEST INDUSTRIAL PARK
9735 COMMERCIAL CIRCLE
KUTZTOWN, PA 19530

revisions		description	
no.	date	by	

V.J. Knezevich
Professional Engineer
FL License No. PE 0010983


AUG 24 2010

drawn by ARV scale AS NOTED

date 08/24/2010

drawing no. 10-133

sheet 1 of 1